

Applicant: Hans-Peter BRAUN
Docket No. R.305930
Preliminary Amdt.

AMENDMENTS TO THE SPECIFICATION:

Page 1, please add the following new paragraphs before paragraph [0001]:

[0000.2] CROSS-REFERENCE TO RELATED APPLICATIONS

[0000.4] This application is a 35 USC 371 application of PCT/DE 2004/000946
filed on May 5, 2004.

[0000.6] BACKGROUND OF THE INVENTION

Please replace paragraph [0001] with the following amended paragraph:

[0001] ~~Prior Art~~ **Field of the Invention**

Please replace paragraph [0002] with the following amended paragraph:

[0002] The present invention is ~~based on a device according to the preamble to claim 1~~
directed to an improved fuel delivery device for delivering fuel from a storage tank to
an internal combustion engine of a motor vehicle.

Please add the following new paragraph after paragraph [0002]:

[0002.5] Brief Description of the Prior Art

Please replace paragraph [0005] with the following amended paragraph:

[0005] ~~Advantages of the Invention~~

SUMMARY AND ADVANTAGES OF THE INVENTION

Please replace paragraph [0006] with the following amended paragraph:

[0006] The device according to the present invention ~~with the characterizing features of the~~
~~main claim~~ has the advantage over the prior art of reduced manufacturing costs and a
simplified installation of the preliminary filter and throttle into the drive line by virtue of the
fact that the throttle is integrally connected to a preliminary filter.

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Page 2, please delete paragraph [0007].

Please replace paragraph [0008] with the following amended paragraph:

[0008] **Advantageous modifications and improvements of the device are disclosed.** It is particularly advantageous if the throttle with the preliminary filter is manufactured by means of injection molding since this is a particularly inexpensive manufacturing process.

Page 3, please replace paragraph [0016] with the following amended paragraph:

[0016] ~~Drawings~~ **BRIEF DESCRIPTION OF THE DRAWINGS**

Please replace paragraph [0017] with the following amended paragraph:

[0017] An exemplary embodiment of the present invention is ~~shown in simplified fashion in the drawings and will be explained in detail in the subsequent description:~~ **described herein below, in conjunction with the drawings, in which:**

Page 4, please replace paragraph [0021] with the following amended paragraph:

[0021] ~~Description of the Exemplary Embodiment~~

DESCRIPTION OF THE PREFERRED EMBODIMENT

Please replace paragraph [0022] with the following amended paragraph:

[0022] Fig. 1 shows a device according to the present invention for delivering fuel from a reservoir to an internal combustion engine of a motor vehicle. **The device has a fuel delivery module 2 contained inside a storage tank 1. For example, a fuel 3 is stored in the storage tank 1.**

Please delete paragraph [0023].

Page 7, please delete paragraphs [0035] and [0036].

Please replace paragraph [0037] with the following amended paragraph:

[0037] **In the device according to Figs. 2 and 3 the** [[The]] fuel delivery module 2 is comprised of a for example cup-shaped storage reservoir 4, which contains a fuel supply pump 7 that draws fuel from the storage reservoir 4, for example via a filter 8 and an intake line 9, and delivers it at an increased pressure to an internal combustion engine 11 via a pressure line 10. The storage reservoir 4 stores a sufficient supply of fuel to permit the fuel supply pump 7 to supply enough fuel to the internal combustion engine 11 even when no fuel is being fed into the storage reservoir 4, for example during cornering and the accompanying sloshing of the fuel in the storage tank 1. The storage reservoir 4 is situated with its cup bottom 5 close to a tank bottom 6 of the storage tank 1.

Page 8, please replace paragraph [0038] with the following amended paragraph:

[0038] At its circumference, the cap 40 has an annular engaging collar 44 at its end oriented toward the nozzle 22. The preliminary filter, which is embodied for example as a cup-shaped filter cup 43, is located at the top 42 of the cap 40 oriented toward the fuel supply pump 7. The filter cup 43 is comprised of a filter bottom 46 and a circumferential wall 47; the filter bottom 46 and a circumferential wall 47 enclose a filter chamber 48 that is open at the end oriented away from the filter bottom 46 and is flow connected to the drive line 21. The filter bottom 46 and the circumferential wall 47 are embodied as straight, for example, but can also bulge outward. The filter bottom 46 and the cap 40 are oriented toward each other; for example, the filter bottom 46 is parallel to the cap 40 or can also be inclined in relation to the

cap 40. For example, the filter cup 43 can be embodied as square, triangular, rectangular, polygonal, circular, or oval and tapers, for example, in the flow direction. Arbitrarily shaped filter openings 49 are provided in the filter bottom 46 and/or in the circumferential wall 47 of the filter cup 43; a filter opening 49 has a smaller area than the throttle opening 41. This assures that all dirt particles that could clog the throttle opening 41 are filtered out in the preliminary filter 23 upstream of the throttle opening 41. When they are embodied in a circular form, for example, the filter openings 49 have a diameter of 0.5 mm. However, it is also expressly possible for there to be circular filter openings 49 with a diameter other than 0.5 mm. The filter openings 49 provided in the filter cup 43 constitute a large filter area so that the preliminary filter 23 is not susceptible to clogging. If dirt particles become lodged in or against a filter opening 49, thus clogging it, there are still many other filter openings 49 through which the fuel can pass. At a cup rim 50 of the filter cup 43 oriented away from the filter bottom 46, a disk-shaped shoulder 51 is provided that protrudes radially outward until it touches a drive line wall 53 of the drive line 21. The preliminary filter 23 rests flush against the drive line wall 53 of the drive line 21 with its shoulder 51, and the throttle 24 rests flush against the drive line wall 53 of the drive line 21 with the collar 44 of the cap 40 or with a sealing lip 45 extending in a ring around the collar 44, thus preventing a leakage that bypasses the preliminary filter 23 and the throttle 24 in the form of a bypass flow.

Page 11, please delete paragraph [0045].

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Please add the following new paragraph after paragraph [0045]:

[0046] The foregoing relates to preferred exemplary embodiments of the invention, it being understood that other variants and embodiments thereof are possible within the spirit and scope of the invention, the latter being defined by the appended claims.